### PATENT COOPERATION TREATY

Fro	n the	Japan Patent Of	fice (INTERNATI	ONAL SEARCHING	AUTHORITY)						
To	): N	Ar. Toshinori Yar	namoto			P	CT				
Agent						1					
	ddres	s: Kondo Build	ding 810, 4-12, Ni shi, Osaka-fu 530		INTERNA	TIONAL SEA	INION OF THE ARCHING AUT egulation 40bis. e 43bis. 2.1)	HO	RITY		
L					Date of mailing (day/month/year	19.7.200	05				
A	plica	ant's or agent's fi	le reference		FOR FURTHE	RACTION		-			
	517-0067				See paragraph 2 below						
In	terna	tional application	n No.	International filing d	ate (day/month/year		date (day/month	/yec	ır)		
1			04.04.2005		08.0	4.2004					
In	terna	tional Patent Cla	ssification (IPC)								
	Int.	Cl. <sup>7</sup> H03H9/25,	3/08, 9/64								
A	plica	ant									
	Mu	rata Manufacturi	ng Co., Ltd.								
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1.	Thi	is opinion contain	ns indications rela	ting to the following it	ems:						
ļ	×	Box No. I	Basis of the opin	nion							
Ì		Box No. II	Priority	,							
ļ		Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability								
İ		Box No. IV	Lack of unity of	invention							
	×	Box No. V	Reasoned staten applicability; cit	nent under Rule 43bis. tations and explanation	2.1(a)(i) with regard as supporting such s	to novelty, in	ventive step or i	ndu	strial		
		Box No. VI	Certain documen	nts cited							
		Box No. VII	Certain defects i	n the international app	lication						
		Box No. VIII	Certain observat	tions on the internation	al application	•					
2.	FU	RTHER ACTIO	ON								
	Inte Aut	rnational Prelimi hority other than	inary Examining A this one to be the	ary examination is mad Authority ("IPEA") exc IPEA and the chosen is International Search	ept that this does notified the	t apply where e Internationa	the applicant ch I Bureau under I	oos	es an		
	IPE.	A a written reply	together, where a	onsidered to be a writt ppropriate, with amen re the expiration of 22	dments, before the e	xpiration of 3	months from the	da	te of		
			see Form PCT/ISA		_		-				
3.	For	turther details, s	ee notes to Form I	PCT/ISA/220							
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Da	e of	completion of th	is opinion	30. 06. 2005							
Na	me ar	nd mailing addre	ss of the ISA/JP	20. 00. 2002	Authorized of	icer	5 V	V	3248		
		.Jar	oan Patent Off	fice	Hironobu		L				
3-4	-3, K	_	iyoda-ku, Tokyo 1		Telephone No.		1 Ext 3576				

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2005/006608

Box N	No. I Basis of this opinion
	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
C	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purpose of international search (under Rules 12.3 and 23.1(b)).
	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a.	type of material
	□ a sequence listing
	□ table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in the international application as filed.
	☐ filed together with the international application in computer readable form.
	☐ furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. A	additional comments:

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2005/006608

	Reasoned statement under Rule 43bis.2.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1. Statement							
Novelty (	N)	Claims	1-5	YES			
		Claims		NO			
Inventive	step (IS)	Claims		YES			
		Claims	1-5	NO			
Industrial	applicability (IA)	Claims		YES			
		Claims	1-5	NO			

### 2. Citations and explanations:

Document 1: JP 2003-32061 A (Toshiba Corporation)

2003.01.31, entire document and all figures (no family)

Document 2: JP 60-176317 A (Toshiba Corporation)

1985.09.10, Fig. 2(d)

Document 3: Microfilm of drawings and specification attached to the request for Japanese Utility Model Registration Application No. 56-171397 (Japanese Unexamined Utility Model Registration Application Publication No. 58-77921) (Oki Electric Industry Co., Ltd.), 1983.05.26, line 13, page 4 to line 7, page 5, Fig. 4

Document 4: JP 55-41048 A (Tokyo Shibaura Denki Kabushiki-kaisha)

1980.03.22, entire document, Fig. 5

#### Claims 1-5

Claims 1 to 5 do not involve in an inventive step on the basis of Documents 1 to 4 cited in the international search report. The aforementioned Document 1 discloses an invention regarding "a surface acoustic wave filter comprising a mount board having a land; a device chip in which a wiring pattern including an IDT and a pad electrically connected to the IDT is formed on one of a pair of parallel and opposing principal surfaces of a piezoelectric substrate, the pad being disposed so as to oppose the land of the mount board, the pad and the land being electrically connected through a bump; and a resin film covering the other principal surface of the piezoelectric substrate and sealing the device chip."

As indicated in the aforementioned Documents 2 to 4, it is well known in the art that "the one of the principal surfaces of the piezoelectric substrate used in the surface acoustic wave filter is relatively large and the other principal surface of the piezoelectric substrate is relatively small, " that "peripheral surfaces of the piezoelectric substrate extending between the pair of principal surfaces each have a parallel planar portion which is substantially parallel to the pair of principal surfaces of the piezoelectric substrate and a vertical planar portion which is substantially perpendicular to the pair of principal surfaces of the piezoelectric substrate, so that the peripheral surfaces of the piezoelectric substrate each have a stepped portion including at least one step," that "peripheral surfaces of the piezoelectric substrate extending between the pair of principal surfaces each have a tapering portion extending along an outer edge of the other principal surface of the piezoelectric substrate," and that "peripheral surfaces of the piezoelectric substrate extending between the pair of principal surfaces each have a curved portion extending along an outer edge of the other principal surfaces each have a curved portion extending along an outer edge of the other principal surfaces each have a curved portion extending along an outer edge of the other principal surface of the piezoelectric substrate."

Therefore, any person skilled in the art could easily have arrived at forming a piezoelectric substrate using the related art even in the invention disclosed in the aforementioned Document 1.

The invention of Claim 5 is only an invention for producing the surface acoustic wave filter in the invention of Claim 1 by a general method. Therefore, any person skilled in the art could easily have arrived at this invention on the basis of the inventions disclosed in the aforementioned Documents 1 to 4.